

BRIEF BIOGRAPHICAL SKETCH FOR PATRICK M. ROSE, CPM – AQUATIC BIOLOGIST

EDUCATION:

University of Missouri at Kansas City, Missouri

Master of Science Degree in Biology with Aquatic Biology emphasis (3.87 out of 4.0 G.P.A.) - 1975

Bachelor of Science Degree in Biology with Aquatic Biology emphasis - 1973

Florida State University, Tallahassee, Florida

Certified Public Manager - June 1997

PROFESSIONAL WORK HISTORY:

Present Executive Director – Save the Manatee Club – Maitland, Florida

Responsible for all Club activities.

1996 - 2006 Director of Government Relations - Save the Manatee Club - Tallahassee, Florida

Responsible for governmental coordination regarding federal and state legislative, executive, and regulatory actions; including advocacy, overall recovery planning and aquatic ecosystem management/habitat activities. Other responsibilities include giving expert testimony, strategic case preparation, program analysis, and specialized technical support for other program components.

1995 - 1996 Environmental Program Administrator, Bureau of Protected Species Management, Division of Marine Resources, Department of Environmental Protection - Tallahassee, Florida

Responsible for all aspects of marine mammal management activities with emphasis on endangered manatees and right whales. Specific emphasis was given to the integration of ecosystem based management practices. Areas of involvement included overseeing biological assessments for permits and leases, rules development and legal defense, current and long-range planning, and GIS applications. Oversaw the Save the Manatee Trust Fund expenditures and legislative budget preparation for research and management programs, totaling over \$3,000,000.00 annually. Provided policy guidance and direction for Florida's statewide recovery efforts for endangered and protected marine species.

1990 -1996 Environmental Administrator, Office of Protected Species Management, DMR, DNR/DEP - Tallahassee, Florida

Responsible for all aspects of manatee, marine mammal, and sea turtle management activities, including habitat protection with specific emphasis on integration of ecosystem based management practices, biological assessments for permits and leases, rules development and defense, current and long-range planning, and GIS applications. Coordinated with the Florida Marine Research Institute's Marine Mammals Section in planning research projects for manatees, other marine mammals, and sea turtles to ensure consistency with adopted Recovery Plans. Also ensured the acquisition, administration, and management of required data. Provided overall policy guidance and direction for Florida's statewide recovery efforts for endangered and protected marine species.

1986 -1990 Environmental Administrator, Marine Mammals Section, Florida Marine Research Institute - St. Petersburg, Florida

Responsible for all aspects of research programs including aerial surveys, telemetry, salvage and necropsy, and related programs. Also responsible for administering marine mammal management programs including permit review, rules development, sign posting, marine mammals facilities inspection, and overall policy and budget development and coordination. During my tenure the program expanded dramatically. Significant actions included the preparation for adoption of the 1989 Governor and Cabinet policy regarding manatee protection and boating facility siting which lead to the major improvements being accomplished in overall protection measures and support for manatee and manatee habitat.

1984-1986 Environmental Specialist III, Bureau of Marine Research, DNR - St. Petersburg, Florida

Coordinated manatee recovery activities with Federal, state, and local agencies and other groups. Served as staff and/or department representative for the Manatee Technical Advisory Council and Save the Manatee Committee. Developed and facilitated the implementation of manatee protection rules and oversaw Department efforts to place and maintain regulatory and warning signs. Conducted biological assessments of various development applications to assess their potential impacts upon the manatee and its associated ecosystem. Exercised responsibility for planning, implementation, and monitoring of manatee related research projects, including population abundance, distribution, habitat characteristics, and causes of mortality through the establishment of a state salvage and necropsy program. Overall planning was strongly correlated to intermesh with the newly adopted Growth Management Act.

1983-1984 Senior Management Manatee Recovery Coordinator, Division of Marine Resources, DNR - Orlando, Florida.

Responsible for all aspects, including the initial establishment, of manatee research, protection, permit review, budget development and future planning efforts on behalf of the endangered manatee. Official duties also included Legislative lobbying for support of programs and program budgets, administrative rule development, and extensive coordination with Federal, state, and local governments. This position was established under a contract with the USFWS to facilitate the development of an extensive state manatee recovery program.

1980 -1983 Manatee Recovery Activities Coordinator, under contract to U.S. Fish and Wildlife Service through FAS - Orlando, Florida

Coordinated all aspects of Manatee Recovery Program. Functioned as primary author of the "Manatee Comprehensive Work Plan" which was the forerunner of the annotated species recovery plans which were later developed for the manatee and other species. Duties included extensive coordination and evaluation of the various recovery tasks to enhance effectiveness. Duties involved extensive coordination with various levels of local, state, and Federal Agencies and organizations. This position was established under contract with the USFWS as part of a joint effort lead by the Marine Mammal Commission to enhance manatee recovery objectives and actions.

1977-1980 Research Scientist with Florida Audubon Society (FAS) - Orlando, Florida

Primary responsibilities were focused around conducting manatee aerial survey research to determine relative abundance and distribution of manatees and to determine the effects of power plant operations upon manatees. Responsibilities included developing and carrying-out additional manatee research and public awareness programs. Activities included bill drafting and direct scientific testimony and lobbying to influence the adoption of the Manatee Sanctuary Act. Other responsibilities included evaluating various development projects and aquatic weed control measures for their potential effects on aquatic systems. Special projects included extensive underwater photography and cinematography. Acted as the Executive Producer, Co-director, and Chief Cinematographer for the production of the award winning documentary film "Silent Sirens - Manatees in Peril".

Additional Qualifications and Memberships

Member IUCN - World Conservation Union, Species Survival Commission/Sirenia Specialist Group.

Award of Recognition - First International Manatee and Dugong Research Conference, Gainesville, Florida - March 1994

National Conservation Achievement Award - Special Achievement - National Wildlife Federation, 1995

Member Florida Boating Advisory Council

Member Society for Marine Mammalogy.

Invited Consultant to the **Florida Commission on Government Accountability to the People** (Our Surroundings).

Member Technical Committee for the Florida Comparison of Environmental Risks projects.

Member Public lands management committee (submerged lands sub-committee) for ecosystem management - FDEP.

Member Technical Advisory Committee for Sovereign Submerged Lands (DEP)

Qualified Manatee Expert for numerous administrative hearings and court cases since 1976.

Principal author of U.S. Fish and Wildlife Service's Manatee Comprehensive Work Plan.

Author or co-author of numerous reports and publications on manatees and other protected species.

Total Quality Management train the trainer volunteer to train other employees in implementing total quality management.

Featured Manatee Expert: Good Morning America; Newton's Apple; NBC, ABC, and CBS evening national news; and numerous other television, documentary, radio, and print media forums including National Geographic Magazine. Name was included as part of a question on the popular Jeopardy national television show as Florida's foremost manatee expert.

Invited Speaker, lecturer, and presenter on such topics as manatees, growth management, marina siting, and habitat protection for various universities, zoos, and other public and private organizations; both inside and outside of Florida.

Certified Instructor with the Professional Association of Diving Instructors (PADI)

Licensed private pilot since January 1982.

Member of the original and successive reconstituted U.S. Fish and Wildlife Service Manatee Recovery Teams, including present member of the Steering Committee.

Member and Past Vice Chairman of the Save the Manatee Committee originally through appointment from Governor Bob Graham.

Life Member and board representative of the Florida Audubon Society.